

Title (en)

Cyclic thioamides as additives for lubricating oils

Title (de)

Cyclische Thioamiden als Zusatz für Schmieröle

Title (fr)

Thioamides cycliques comme additifs pour huiles lubrifiantes

Publication

EP 1394239 A1 20040303 (EN)

Application

EP 03254690 A 20030728

Priority

US 40154202 P 20020807

Abstract (en)

A composition comprising: (a) from 0.1% to 20% of at least one cyclic thioamide of formula I: <CHEM> wherein X is CR<5>R<6>, CR<5>R<6>NR<7> or CR<5>R<6>CR<8>R<9>; R<1>, R<2>, R<3>, R<4>, R<5>, R<6>, R<7>, R<8> and R<9> are independently hydrogen, alkyl, alkenyl, aryl or aralkyl; or R<1> and R<2>, or R<3> and R<4>, combine with the carbon atom to which they are attached to form an alkyl or alkenyl ring; and (b) a lubricating oil.

IPC 1-7

C10M 135/14

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [Y] DE 973565 C 19600331 - BASF AG
- [Y] DE 1038686 B 19580911 - BASF AG
- [Y] WO 8705926 A1 19871008 - LUBRIZOL CORP [US]
- [Y] GB 1053716 A

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